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DECLARATION AND POWER OF ATTORNEY

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I hereby claim the benefit under Title 35, United States Code, 119(e) of any United States provisional application(s) identified below:

Provisional application No. 60/143,691, filed on July 14, 1999.

I believe I am an original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled "A THIN FILM RESISTOR DEVICE AND A METHOD OF MANUFACTURE THEREFOR," the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in the Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Thomas J. Bean	(Reg. No. 44528)
Lester H. Birnbaum	(Reg. No. 25830)
Richard J. Botos	(Reg. No. 32016)
Jeffery L. Brosemer	(Reg. No. 36096)
Kenneth M. Brown	(Reg. No. 37590)
Donald P. Dinella	(Reg. No. 39961)
Guy Eriksen	(Reg. No. 41736)
Martin I. Finston	(Reg. No. 31613)
William S. Francos	(Reg. No. 38456)
Barry H. Freedman	(Reg. No. 26166)
Julio A. Garceran	(Reg. No. 37138)
Jimmy Goo	(Reg. No. 36528)
Anthony Grillo	(Reg. No. 36535)
Stephen M. Gurey	(Reg. No. 27336)
John M. Harman	(Reg. No. 38173)
Matthew J. Hodulik	(Reg. No. 36164)
Michael B. Johannesen	(Reg. No. 35557)
Mark A. Kurisko	(Reg. No. 38944)
Irena Lager	(Reg. No. 39260)
John B. MacIntyre	(Reg. No. 41170)
Christopher N. Malvone	(Reg. No. 34866)
Scott W. McLellan	(Reg. No. 30776)

Martin G. Meder	(Reg. No. 34674)
John C. Moran	(Reg. No. 30782)
Michael A. Morra	(Reg. No. 28975)
Gregory J. Murgia	(Reg. No. 41209)
Claude R. Narcisse	(Reg. No. 38979)
Joseph J. Opalach	(Reg. No. 36229)
Neil R. Ormos	(Reg. No. 35309)
Eugen E. Pacher	(Reg. No. 29964)
Jack R. Penrod	(Reg. No. 31864)
Gregory C. Ranieri	(Reg. No. 29695)
Scott J. Rittman	(Reg. No. 39010)
Ferdinand M. Romano	(Reg. No. 32752)
Eugene J. Rosenthal	(Reg. No. 36658)
Bruce S. Schneider	(Reg. No. 27949)
Ronald D. Slusky	(Reg. No. 26585)
David L. Smith	(Reg. No. 30592)
Ozer M.N. Teitelbaum	(Reg. No. 36698)
John P. Veschi	(Reg. No. 39058)
David Volejnicek	(Reg. No. 29355)
Charles L. Warren	(Reg. No. 27407)
Jeffrey M. Weinick	(Reg. No. 36304)
Eli Weiss	(Reg. No. 17765)

I hereby appoint the attorney(s) on ATTACHMENT A as associate attorney(s) in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorney(s) and such associate attorney(s) are specifically denied any power of substitution or revocation.

Full name of inventor: Robert D. Huttemann

Inventor's signature Robert D. Huttemann Date July 10, 2000

Residence: City of Macungie
County of Lehigh
State of Pennsylvania

Citizenship: United States of America

Post Office Address: 5583 Princeton Road
Macungie, Pennsylvania 18062

Full name of inventor: George J. Terefenko

Inventor's signature George J. Terefenko Date 7/10/00

Residence: City of Mohnton
County of Berks
State of Pennsylvania

Citizenship: United States of America

Post Office Address: Rd # 4, Box 4572
Mohnton, Pennsylvania 19540

ATTACHMENT A

Attorney Name(s):

David H. Hitt, Registration No. 33,182
T. Ling Chwang, Registration No. 33,590
Charles W. Gaines, Registration No. 36,804
Glenn W. Boisbrun, Registration No. 39,615
Tung T. Nguyen, Registration No. 42,935
Mark E. Kelley, Registration No. 45,857
Greg H. Parker, Registration No. 44,995
Jimmy L. Heisz, Registration No. 38,914

Telephone calls should be made to Charles W. Gaines of Hitt Chwang & Gaines, P.C. at:

Phone No.: (972) 480-8800

Fax No.: (972) 480-8865

All written communications are to be addressed to:

Charles W. Gaines
Hitt Chwang & Gaines, P.C.
P.O. Box 832570
Richardson, Texas 75083

DOCKET

OCT 04 2000



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 27, 2000

PTAS

HITT GAINES & BOISBRUN, P.C.
CHARLES W. GAINES
P.O. BOX 832570
RICHARDSON, TEXAS 75083



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/12/2000

REEL/FRAME: 010981/0842

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HUTTEMANN, ROBERT D.

DOC DATE: 07/10/2000

ASSIGNOR:

TEREFENKO, GEORGE J.

DOC DATE: 07/10/2000

ASSIGNEE:

LUCENT TECHNOLOGIES, INC.
600 MOUNTAIN AVENUE
A CORPORATION OF DELAWARE
MURRAY HILL, NEW JERSEY 07974-0636

SERIAL NUMBER: 09614992

FILING DATE: 07/12/2000

PATENT NUMBER:

ISSUE DATE:

010981/0842 PAGE 2

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-14-2000



101431376

U.S. Department of Commerce
Patent and Trademark Office
PATENT

HUTTEMANN 8-1

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies)

Submission Type

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☐ Resubmission (Non-Recordation)

Document ID#

☐ Correction of PTO Error

Reel #

Frame #

☐ Corrective Document

Reel #

Frame #

Conveyance Type

☒ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☐ Other

U.S. Government

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☐ Departmental File

☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) Robert D. Huttemann

Execution Date
Month Day Year
07 10 2000

Name (line 2)

Second Party

Name (line 1) George J. Terefenko

Execution Date
Month Day Year
07 10 2000

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Lucent Technologies, Inc.

Name (line 2) a Corporation of Delaware

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Address (line 1) 600 Mountain Avenue

Address (line 2)

Address (line 3) Murray Hill

New Jersey

07974-0636

City

State/Country

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

08/11/2000 DNGUYEN 00000173 122325 09614992

01 FC:581

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Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and Address

Area Code and Telephone Number (972) 480-8800

Name Charles W. Gaines

Address (line 1) Hitt Gaines & Boisbrun, P.C.

Address (line 2) P.O. Box 832570

Address (line 3) Richardson, Texas 75083

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

5

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

N/A

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
07 10 2000

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:
Deposit Account

Enclosed ☐

Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

12-2325

Authorization to charge additional fees:

Yes ☒ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Charles W. Gaines

Name of Person Signing



Signature

07/12/2000

Date

ASSIGNMENT

For value received, We, Robert D. Hutteman, of Macungie in the County of Lehigh and State of Pennsylvania, and George J. Terefenko, of Mohnton in the County of Berks and State of Pennsylvania, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to "A THIN FILM RESISTOR DEVICE AND A METHOD OF MANUFACTURE THEREFOR" described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Robert D. Huttemann
Robert D. Huttemann

STATE OF PENNSYLVANIA
COUNTY OF BERKS

§
§
§

On this 10TH day of JULY, 2000, before me personally came Robert D. Huttemann, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Patricia L. Mayer
Notary Public

My Commission Expires:

Notarial Seal
Patricia L. Mayer, Notary Public
Reading, Berks County
My Commission Expires Dec. 30, 2001
Member, Pennsylvania Association of Notaries

George J. Terefenko
George J. Terefenko

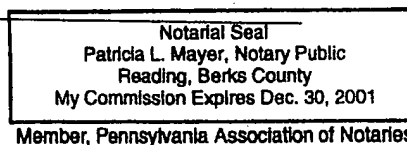
STATE OF PENNSYLVANIA
COUNTY OF BERKS

§
§
§

On this 10TH day of July, 2000, before me personally came George J. Terefenko, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Patricia L. Mayer
Notary Public

My Commission Expires:



Lucent Technologies, Inc.
600 Mountain Avenue (Room 3C-512)
P.O. Box 636
Murray Hill, New Jersey 07974-0636

CERTIFICATE OF OWNERSHIP AND MERGER

OF

Agere Systems Guardian Corp.
(a Delaware corporation)

INTO

Agere Systems Inc.
(a Delaware corporation)

UNDER SECTION 253 OF THE GENERAL
CORPORATION LAW OF THE STATE OF DELAWARE

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), DOES HEREBY CERTIFY:

FIRST: The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

SECOND: On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

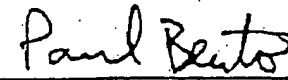
RESOLVED that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

THIRD: That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

AGERE SYSTEMS INC.

By



Paul Bento, Vice President

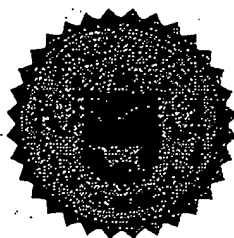
The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION,
WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Agere Systems Inc.Application No./Patent No.: 09/614,992 Filed/Issue Date: July 12, 2000Entitled: THIN FILM RESISTOR DEVICE AND A METHOD OF MANUFACTURE THEREFORAgere Systems Inc.a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. [] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:1. From: Inventor(s) To: Lucent Technologies Inc.The document was recorded in the United States Patent and Trademark Office at
Reel 010981, Frame 0842, or for which a copy thereof is attached.2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.3. From: Agere Systems Guardian Corp. To: Agere Systems Inc.The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

November 3, 2003

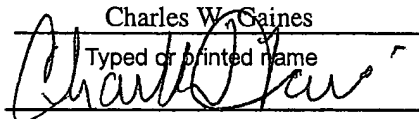
Date

(972) 480-8800

Telephone number

Charles W. Gaines

Typed or printed name



Signature

Attorney for Applicant

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EXECUTION COPY

PATENT ASSIGNMENT

by and between

LUCENT TECHNOLOGIES INC.

and

AGERE SYSTEMS GUARDIAN CORP.

Dated as of January 30, 2001

BEST AVAILABLE COPY

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

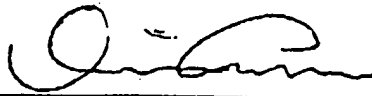
ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

LUCENT TECHNOLOGIES INC.

By: 
Daniel P. McCurdy
President, Intellectual Property Business

AGERE SYSTEMS GUARDIAN CORP.

By: 
Fred M. Romano
President

BEST AVAILABLE COPY

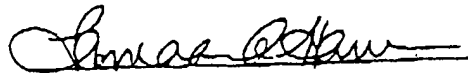
ACKNOWLEDGMENTS

STATE OF NEW JERSEY)

: ss:

COUNTY OF SOMERSET)

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:
a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and
b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name TAMORA ANNE HANNA
Notary Public Notary Public of New Jersey
My Commission Expires Registered in Hunterdon County
[Notarial Seal] My Commission Expires March 25, 2002

STATE OF FLORIDA)

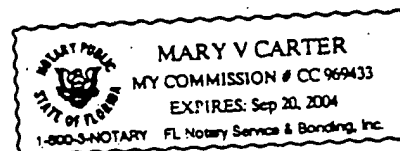
: ss:

COUNTY OF ORANGE)

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:
a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp.; and
b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name
Notary Public
My Commission Expires
[Notarial Seal]



APPENDIX B (continued)
Transferred Patents

Case Name	Filing Date	Issue Date	Patent No.	Serial No.
Hobler 1-4-9-1	5/13/1999			09/311822
Hofmann 1-15-7-4	10/31/2000		60/244391	
Holder 5	12/22/1998	11/16/99	5986969	
Holder 7-38	12/22/1999			09/469905
Hollenbach 11-25-13	12/4/1998			09/205601
Hollenbach 4-17-6	1/27/1998		09/013943	
Hollenbach 5-19-7	2/24/1998		09/028478	
Hollenbach 7-21-9	4/7/1998		09/055991	
Hollenbach 8-22-10	2/23/1998		09/028061	
Holliday 5	10/8/1998	9/21/1999	5955683	
Holloway 1-3-1-1	12/17/1999			60/172163
Holmqvist 1	1/20/2000			09/488327
Holmqvist 1-2-7-17	9/18/1997	6/6/2000	6073228	
Holmqvist 4	5/11/2000			09/569311
Hong 19-10-16-6	11/12/1998			09/190193
Hong 20-11-17-7-4	9/18/1998		09/156719	
Hong 22-12-19-9	2/7/2000			09/499411
Horwath 1-1-1-1-1	8/20/1997		08/914995	
Horwath 2-2-2-2-2	3/31/1998	3/14/2000	6037664	
Houge 12-17-3-23-16	8/2/2000		09/631544	
Houge 13-4-18-24-17	8/2/2000		09/631545	
Houge 14-54-19-25-18	8/31/2000		09/653364	
Houge 4-11-10-12-6	8/25/1999			09/383154
Houlihan 20-1	3/12/1999	4/11/2000	6048664	09/266912
Houlihan 22-20-1	2/22/2000			09/511004
Huang 1-1-6-30	6/30/1999			60/141656
Huang 3-2-1-3-32-6-16	10/4/1999			60/157451
Huang 4-8-34	5/18/2000			09/575216
Huang 6-21-5-25	4/30/1997	5/23/2000	6067292	
Huang 8-39	10/15/1996		08/730283	
Huang 9-2	5/16/2000			09/571926
Huang 9-4-1	8/4/1998		09/129479	
Huber 1-26-13	6/22/1998	7/11/2000	6087853	
Huggins 1	7/14/1999			09/353315
Huggins 2	7/29/1999			09/363758
Huggins 6	11/17/2000			
Hughes 1-5	9/25/1998		09/160408	
Hughes 2-6	11/13/1998			09/191875
Hui 10-16-3	12/2/1998			09/204047
Hui 11-17-4-18	12/17/1999			09/465884
Hui 12-18-5-19	8/5/1999			09/369682
Hui 3-6-16	8/31/2000		09/653295	
Huibregtse 3	5/14/1999			09/312546
Hunter 3-10	9/14/1999			09/395835
Huttemann 8-1	7/12/2000			09/614992
Hymes 1-1-3	4/9/1999			09/288646
Iacono 1-1-1	2/26/1999			09/259164
Iyengar 12-16	6/14/1999			09/332514
Iyengar 13-6	2/23/2000			09/511153
Iyengar 14-9	7/16/1999			09/356773
Iyengar 17-11-22	11/2/1999			09/431853
Iyengar 8-10	1/22/1999			09/235319
Jaiprong 1-1-1-1	9/3/1999			09/390384
Janesch 1-7	8/5/1999			09/368583
Janesch 2-9	8/5/1999			09/368493
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Jayaphom 1	7/22/1999			60/145173
Jeffery 1-1	5/5/2000			09/566099
Jelinek 1-2-2	5/27/1999			09/322112
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